



# Explorers Program Overview

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**2016 Explorers Heliophysics  
SMEX and MO Phase A Kick-off**

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# Explorers Program Overview



(1 of 2)

- ❖ NASA's oldest, continuous program
  - Over 100 successful missions since 1958
- ❖ Program Objective—Frequent flight opportunities for world-class scientific investigations
- ❖ Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals



# Explorers Program Overview

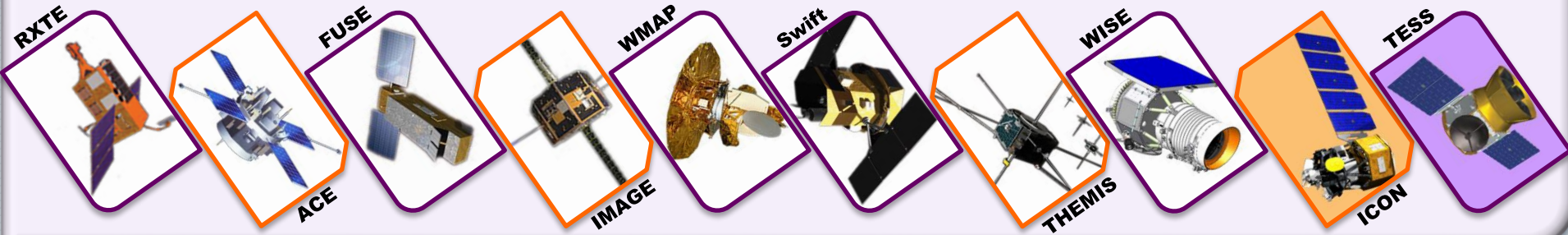


(2 of 2)

- ❖ Mission class characterized by size, schedule, and budget cost caps
  - MINDEX
  - SMEX
  - UNEX
  - Mission of Opportunity
- ❖ Missions solicited through Announcement of Opportunity
- ❖ Missions developed in Principal Investigator mode
- ❖ Program Management oversight provided by the Explorers Program Office at GSFC

# Explorers Missions

## MIDEX



## SMEX



## UNEX • MO • INTERNATIONALS



 Astrophysics Missions

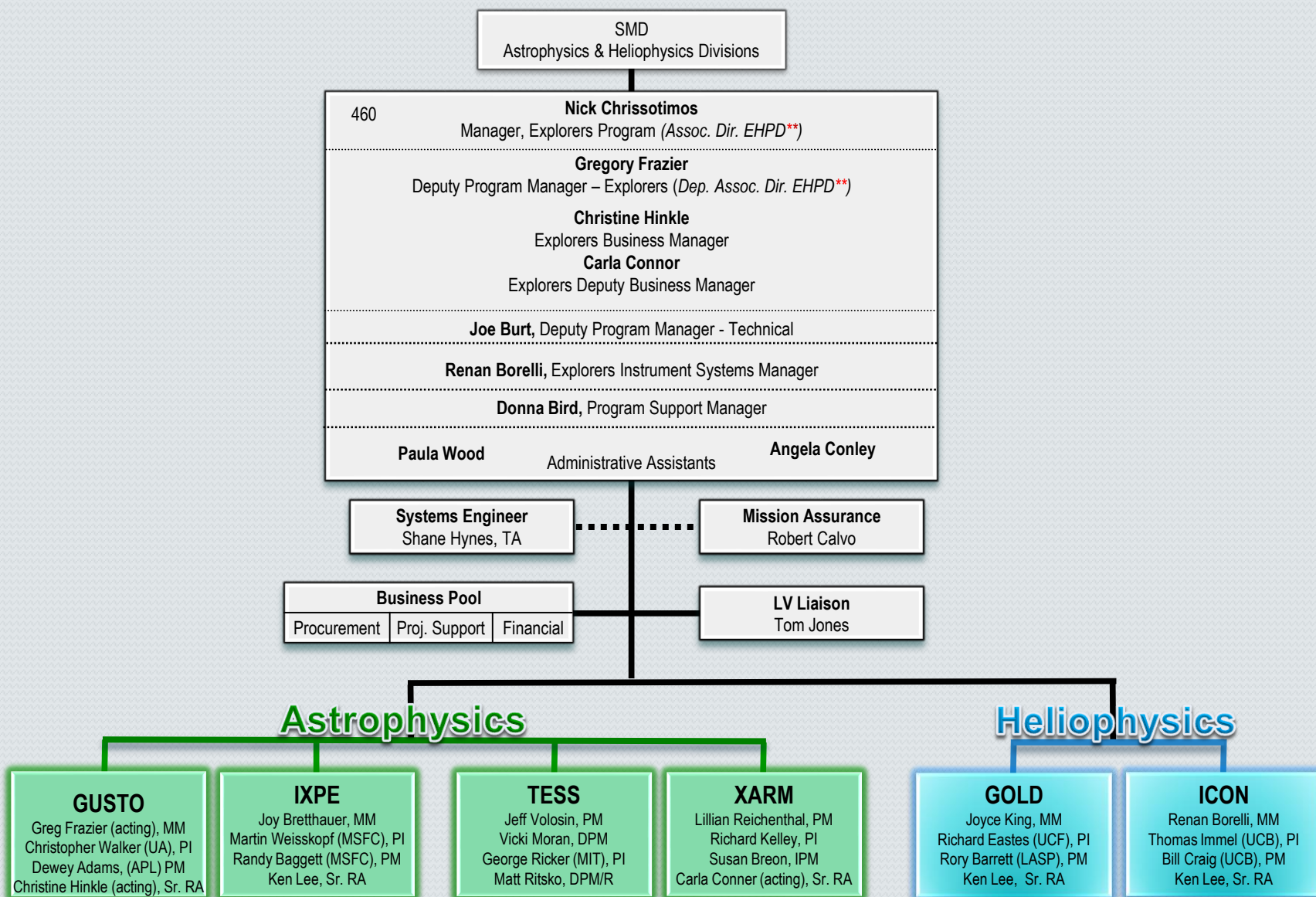
 Current Astrophysics Missions

 Heliophysics Missions

 Current Heliophysics Missions



# Explorers Program Organization Chart



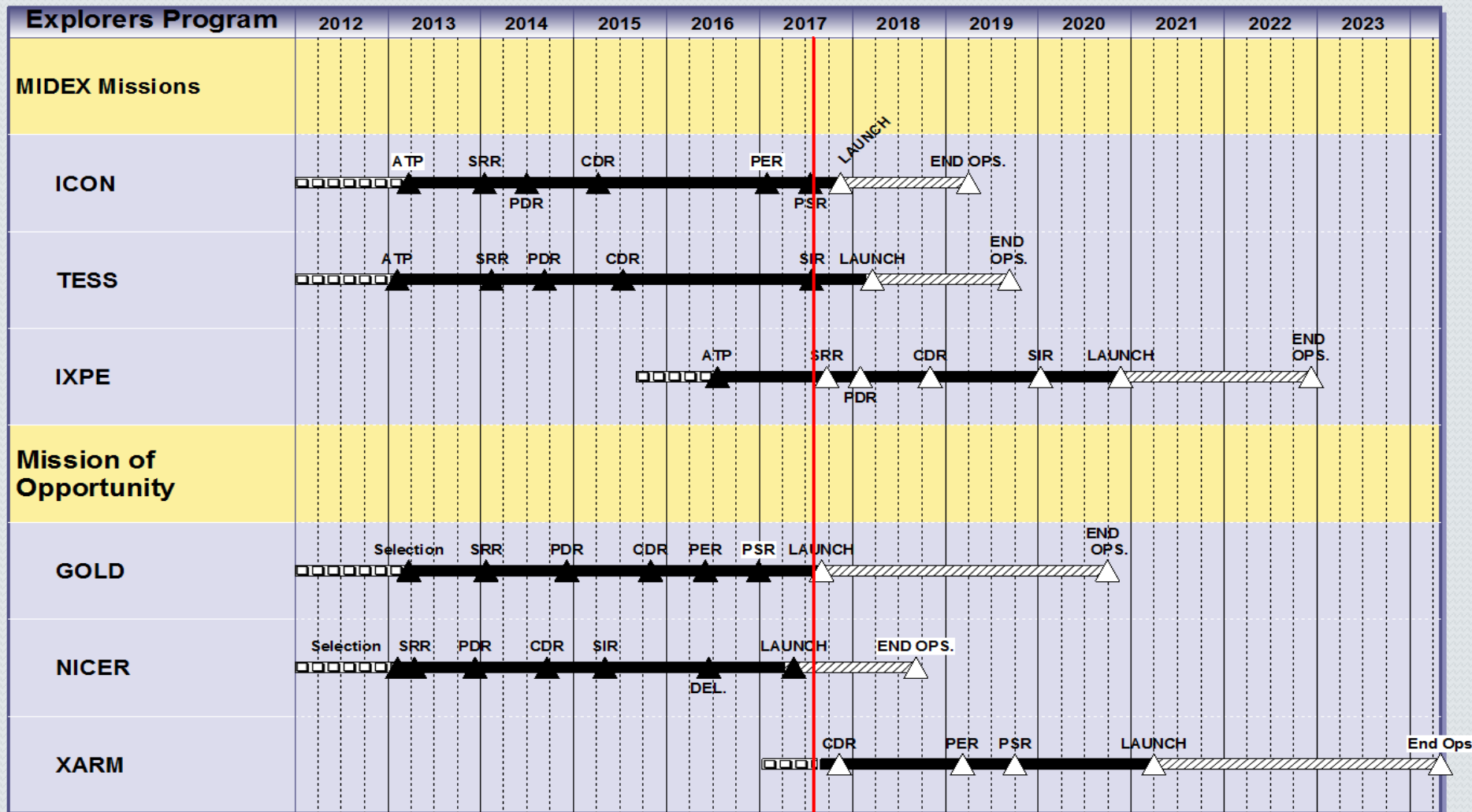




# Explorers Program Master Schedule



7/31/17



— Development

Prime Mission



# Mission Development Responsibilities



## ❖ **NASA responsibility**

- Program administration
- Insight/oversight
- Project review process
- Technical authority
- Launch vehicle procurement

## ❖ **PI responsibility**

- Level-1 science requirements
- Mission implementation
- Technical, cost, and schedule performance
- Peer reviews
- Safety and mission assurance
  - MAIP - Mission Assurance Implementation Plan (response to AO Explorers Mission Assurance Requirements)